

FEDERAL PUBLIC SERVICE COMMISSION COMPETITIVE EXAMINATION-2024 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

Roll Number

AGRICULTURE AND FORESTRY

TIME ALLOWED: THREE HOURS	PART-I (MCQS)	MAXIMUM MARKS = 20
PART-I(MCQS): MAXIMUM 30 MINUTES	PART-II	MAXIMUM MARKS = 80

NOTE: (i) Part-II is to be attempted on the separate Answer Book.

- (ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks.
- (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
- (iv) Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
- (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
- (vi) Extra attempt of any question or any part of the attempted question will not be considered.

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Sept. Sept.	OVIDS	(PART-I MCQs	MAXIMUM MAXIMUM	MARKS: 80
THOWE	D: THREE HOURS	(PART-II)	Sheet which shall	be taken back
TIME ALLOWED	: MAXIMUM 30 MILLON on sep	arate OMR Answe	Silect	
PART-I (MCQs)	D: THREE HOURS : MAXIMUM 30 MINUTES tempt PART-1 (MCQs) on sep) minutes. rriting/cutting of the options/a			
NOTE: (1) Flist a	minutes. sthe options/a	nswers will not be	given credit.	
and Overw	riting/cutting of the options/a s no negative marking. All MCOs	Os must be attemp	ted.	
(ii) Over				
(m) There	PART-I (MCOs	(COMPULSORY	1	200
			the OMR Answer	Sheet.(20x1=20)
- s test the best of	PART-I (MCQs option/answer and fill in the app	Propriate Box On	not be considered.	
		Answer Sheet, wit		
(ii) Aliswers gives	as the smallest particle size?		(D) N	one of these
1. Which soil type h	(B) Silt	(C) Clay		
(A) Sand			(D) N	one of these
Optimal pH rang	e for most crops is:	(C) 8-10	(D) 1	nieme is:
(A) 3-5	(Jr) 0-7	into simpler compo	unds by microorga	f those
The process of br	eaking down organic matter i	(C) Dec	omposition (D)	ione of these
(A) Photosynthes	(B) Respiration rowing two or more crops in particular (B) Mono	proximity to enhan	ce pest control and	nutrient
4. The practice of g	rowing two or more crops in	culture (C) Agr	oforestry (D) N	one of these
utilization is: (A)	Crop rotation (B) Mono			
5 The cultivation o	f crops without the use of son	(C) Pred	cision farming (D)	None of these
(A) Hydroponics	(B) Aeroponics	(C) Tree	ding in response to	light, is:
6. The hormone, res	sponsible for promoting cell e	(C) Cyt	akinin (D) N	one of these
(A) Auxin	(B) Gibberellin	(C) Cyt	tists cormination is	known as:
7. The process of ex	posing seeds to moisture and	temperature to ini	nalization (D) N	lone of these
(A) Constitution	(B) Scarincation	(2)	nalization (D)	one or man
The primary role	of pheromones in pest mana	gement is:	2 :- : (D)	None of these
and writting months of	lirectly (B) Renelling Desis	C) Attracting posts	for monitoring (D)	None of these
o Which insect ord	er includes pests such as gras	shoppers and loca	aca.	
Which insect ord (A) Orthoptera	(B) Coleoptera	(C) Lej	oidoptera (D)	None of these
(A) Orthoptera	pose of backcrossing in plant	breeding is:		
10. The primary pur	rids with increased heterozygo	SILV (D) IIIC	roducing resistance t	o diseases
(A) Creating nyo	ble traits in a new genetic back		ne of these	
(C) Fixing desira	of systemable forestry			
11. The primary pur	rpose of sustainable forestry	(B) Ma	aximizing short-term	profits
(A) Timber extra	Consider the second control	(D) No	one of these	
(C) Clear-cutting	g for quick land regeneration	(2)		
12. The term "silvic	ulture" refers to:	(B) Fo	rest disease manage	ment
(A) Rearing of	silkworm	(B) 10	one of these	
(C) Cultivation	of trees and forests			
13. Which of the fo	llowing is a common invasive	species affecting to	orests:	Nana of these
(A) Oak tree	(B) Eucalyptus t	ree (C) K	udzu vine (D)	None of these
14. In forestry, the	term "coppicing" refers to:			
(A) Planting no	ew trees (B) Pruning branche	es (C) Thinning the	ne forest canopy (O) None of these
15. Which type of	forest management aims to mi	imic natural distu	bances, such as w	ildfires?
(A) Even-aged	management (B) Shelterwood	cutting (C) Unever	n-aged management	(D) None of thes
16. The practice of	removing dead or diseased to	rees from a forest i	s known as:	
(A) Salvage lo		(C) (lear-cutting (D)	None of these
17 Pogonovation	of a forest without direct hum	- intervention is	referred to as:	
17. Regeneration o	a forest without direct num	an intervention is	Rehabilitation (D)	None of these
(A) Reforestat		on	(D)	140He of these
18. The primary p	urpose of riparian forest buf	fers is:	Carbon soquestratio	n (D) None of these
(A) Soil erosion	n prevention (B) Wildlife habit	at conservation (C)	caroon sequestrano	ing trade in legally
19. Which interna	tional agreement focuses on o	combating megar	BBB F	
narvested time	er?		nt, Governance, and	Trade (FLEGT)
(A) Kyoto Pro	otocol (B) For	est Law Enforceme	nt, Governance, and	Trade (FLEGT)
(C) Nagoya P	(D) M	- 4 these		
20. In the context	of biodiversity the	ne of these	ers to:	
() Species (I	at are abundant in number			
		acretem etr	ructure	
(C) Species	hat play a crucial role in mainta that are endemic to a specific re	aining ecosystem su	(T) None of these
	a specific re	gion	Page 1 of 2	,
			rage 1 01 2	

NOTE:	(i) Part-II is to be attempted on the separate Answer Book. (ii) Attempt ONLY FOUR questions from PART-II by selecting TWQ qu	n at
0	iii) All the parts (if any) or each lifterent places. iii) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper. iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper. Book Space be left blank between the answers. All the blank pages of Answer Book.	k
6	must be crossed. Extra attempt of any question or any part of the question will not be considered.	-
	SECTION-A	
Q. No. 2.	Explore the present situation of oilseed crops in Pakistan and identify potential factors contributing to the insufficient production of edible oil. Propose remedial measures aimed at enhancing this situation.	(20)
Q. No. 3.	Examine the distinctions between organic farming and conventional farming practices Analyze the merits and drawbacks of each method Evaluate factors such as environmental impact, yield, and soil health to provide a comprehensive understanding of the advantages and disadvantages associated with both approaches. Which would you recommend in Pakistan's perspective?	(20)
Q. No. 4.	Assess the impact of climate change on Pakistan's agriculture, particularly its effects on crop patterns and yields. Provide an analytical overview of current practices and propose strategies to make crop management, more resilient to climate change, considering adaptation and mitigation measures.	impact) current praction strateging
Q. No. 5.	Write short notes on the following: (10 each) (a) Conservation and utilization of plant genetic resources	Oxada Hation
	(b) Integrated nutrient management	54
	SECTION-B	
Q. No. 6.	How can integrated watershed management address the competing demands for water in agriculture, industry, and domestic use? Analyze the impact of deforestation on watershed health and water availability. How can we integrate science and community engagement in watershed management?	(20)
Q. No. 7.	How effectively does the Pakistan Forest Policy integrate with the provisions outlined in the Pakistan Forest Act? Provide specific examples that how the policy's strategic goals are translated into actionable legal measures within the act. Discuss any areas where alignment may be strengthened or improved for more coherent forest governance.	(20)
Q. No. 8.	Write short notes on the following:	
	(a) Potential of Ecotourism in Pakistan (10 each)	(20)
	(b) Biodiversity	

	D- 2 a	